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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/845,708	04/30/2001	James R.H. Challenger	Y0R9-2001-0281US1 (8728-5)	2686
46069	7590	03/12/2007	EXAMINER	
F. CHAU & ASSOCIATES, LLC 130 WOODBURY ROAD WOODBURY, NY 11797			PAULA, CESAR B	
			ART UNIT	PAPER NUMBER
			2178	
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	03/12/2007	PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/845,708	CHALLENGER ET AL.
	Examiner	Art Unit
	CESAR B. PAULA	2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 19 December 2006.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 16,17,19-21,24 and 32-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 16-17, 19-21, 24 and 32-34 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

1. This action is responsive to the remarks filed on 12/19/2006.

**This action is made Final.**

2. In the remarks, claims 16-17, 19-21, 24 and 32-34 are pending in the case. Claim 16 is an independent claim.

### ***Drawings***

3. The drawings filed on 4/30/2001 have been approved by the examiner.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 16-17, 19-20, and 32-34 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Troyansky (US Pub.# 2003/0190054 A1, 10/9/2003, Provisional application filed on 10/3/2000), in view of Takashi et al, hereinafter Takashi (US Pub. # 2002/0059162, 5/16/2002, filed on 2/8/1999), and further in view of Lemay et al, "Laura Lemay's Web Workshop Creating Commercial Web Pages", hereinafter Lemay, Sams.net, 1996, pp.110-115),

and further in view of Truong (Pat.# 6,151,609, 11/21/2000); and further in view of Levy et al, hereinafter Levy (USPub 2003/00112548 A1, 1/16/2003, provisional application filed on 12/21/2000).

Regarding independent claim 16, Troyansky teaches inserting or storing a digital watermark into digital content —*determining a content creation preference*—by replacing or converting parts of digital files, such as HTML files—*electronically encoded HTML textual document*— with hidden images—*watermarks*—such as image (0003). In other words parts of the text of the HTML files are extracted, and then watermarked by dynamically converting those HTML parts, which are in a textual format ( as is well known, and shown by Lemay, page 112, lines 15-36), into an image.

Furthermore, Troyansky fails to explicitly disclose: *receiving a request for the textual content from a client; obtaining, at a server, the textual content in text format, automatically by the server; replying to the request by serving the HTML document containing the inline reference to the stored textual content in the image format, wherein the reply does not include the textual content in the image format*. However, Truong teaches an Internet server receiving an HTML file selection. In response, the Internet server communicates the HTML file in textual format to a requesting client (col.8, lines 38-53). Takashi teaches clients accessing or requesting HTML web pages information from a server (0020, 0005, 0024, 2<sup>nd</sup> parag.). Levy teaches a server adding, and dynamically linking of a watermarked image, from a database, to a web page at the time of rendering the web page, by adding the link to that image on the web page (0094)—*generating an HTML containing an inline reference to the stored textual content in the image*

*format for retrieval and dynamic assembly by the client.* It would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined Troyansky, Takashi, Lemay, Truong and, Levy because Troyansky teaches enforcing digital rights of documents, such as HTML by inserting watermarked image files into the document (002-003). Thus, providing the benefit of protecting the obtained HTML document from unauthorized use.

Regarding claim 17, which depends on claim 16, Troyansky teaches inserting a digital watermark into digital content by replacing or converting parts of digital files, such as HTML files, which are in a textual format (as is well known, and shown by Lemay, page 112, lines 15-36), with hidden images--*watermarks*--such as image (0003). In other words parts of the text of the HTML files are extracted, and then watermarked by dynamically converting those HTML parts into an image.

Regarding claim 19, which depends on claim 16, Troyansky teaches compressing a watermark using lossy compression algorithms--*watermarking preference* (0004, lines 6-9).

Regarding claim 20, which depends on claim 19, Troyansky teaches compressing a watermark using lossy compression algorithms--*compression preference* (0004, lines 6-9).

Regarding claim 32, which depends on claim 16, Troyansky fails to explicitly disclose: *the content creation preference specifies attributes of the textual content in image format.* However, Levy teaches adding spaces at the end of text in a watermark(0098)—. It would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined

Troyansky, and Levy, because Troyansky teaches enforcing digital rights of documents, such as HTML by inserting watermarked image files into the document (002-003). Thus, providing the benefit of protecting the obtained HTML document from unauthorized use.

Regarding claim 33, which depends on claim 16, Troyansky fails to explicitly disclose: *the attributes of the textual content in image format include at least one of font, font size, color, and margins*. However, Levy teaches adding spaces at the end of text in a watermark(0098)\_\_. It would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined Troyansky, and Levy, because Troyansky teaches enforcing digital rights of documents, such as HTML by inserting watermarked image files into the document (002-003). Thus, providing the benefit of protecting the obtained HTML document from unauthorized use.

Regarding claim 34, which depends on claim 16, Troyansky fails to explicitly disclose: *requesting, by the client, the textual content in the image format according to the inline reference..* However, Levy teaches adding spaces at the end of text in a watermark (0098)\_\_. However, Truong teaches an Internet server receiving an HTML file selection. In response, the Internet server communicates the HTML file in textual format to a requesting client (col.8, lines 38-53). Takashi teaches clients accessing or requesting HTML web pages information from a +server (0020, 0005, 0024, 2<sup>nd</sup> parag.). It would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined Troyansky, Truong, Takashi, and Levy, because Troyansky teaches enforcing digital rights of documents, such as HTML by inserting

watermarked image files into the document (002-003). Thus, providing the benefit of protecting the obtained HTML document from unauthorized use.

6. Claim 21 remains rejected under 35 U.S.C. 103(a) as being unpatentable over Troyansky, in view of Takashi, in view of Lemay, further in view of Truong, further in view of Levy, and further in view of Pagemill.

Regarding claim 21, which depends on claim 16, Troyansky teaches inserting a digital watermark into digital content by replacing parts of digital files, such as HTML files (0003). Troyansky fails to explicitly disclose: *the mapping preference relates selectable spatial display coordinates to external document identifiers in order to enable user navigation*. However, Pagemill teaches inserting an active image, which contains more than one URL. The image is divided into areas, setup by coordinates along with their associated URLs. When a user clicks on an area, the browser jumps to the URL—*external document identifier*—of the respective area (page 139, lines 21-33, and fig. 6.1). It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine Troyansky, Takashi, Lemay, Truong, and Pagemill, because Troyansky teaches enforcing digital rights of documents, such as HTML by inserting watermarked image files into the document (002-003). Thus, providing the benefit of protecting data in the HTML document from unauthorized use.

7. Claim 24 remains rejected under 35 U.S.C. 103(a) as being unpatentable over Troyansky, in view of Takashi, in view of Lemay, and further in view of Truong, further in view of Levy, and further in view of Minematsu (Pat.# 6,700,993, 3/2/2004, filed on 9/6/2000).

Regarding claim 24, which depends on claim 19, Troyansky teaches inserting a digital watermark into digital content by replacing or converting parts of digital files, such as HTML files such as image (0003). Troyansky fails to explicitly disclose: *receiving a client system request for verification of the watermarked content*. However, Minematsu teaches a user terminal transmitting first transmission of watermarked information to a detection center, where the information is authenticated. The information is then transmitted to the user terminal, where the authentication result is displayed (col.3, lines 61-col.4, line 67). It would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined Troyansky, Lemay, and Minematsu, because Minematsu teaches providing a tamper resistant watermarked image for encrypting information (col. 3, lines 57-67). Thus, providing the benefit of protecting the obtained HTML document from unauthorized use.

***Response to Arguments***

8. Applicant's arguments filed 12/19/2006 have been fully considered but they are not persuasive. Regarding claim 16, the Applicant indicates that nowhere does Troyansky teach the conversion of content (page 7, parag.1). The Examiner disagrees, Troyansky teaches replacing parts of an HTML—text-- document with an image—*determining a content creation preference--* (col.6, lines 1-23, fig.4). In other words, the HTML marked up text is converted from text format into an image format.

Moreover, the Applicant notes that neither Troyansky, Takashi, Lemay, Truong, nor Levy teach or suggest the generation of an HTML document containing an inline reference to a stored textual in the image format for retrieval and dynamic assembly by the client (pages 7-9). In response to these arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

As it was indicated in the office action (10/5/06). Levy teaches a server adding, and dynamically linking of a watermarked image to a web page, from a database, at the time of rendering the web page (by downloading the web page from the server to the client), and adding the link to that image on the web page (0094)—*generating an HTML containing an inline reference to the stored textual content in the image format for retrieval and dynamic assembly by the client*. It would have been obvious to a person of ordinary skill in the art at the time of the invention to have combined Troyansky, Takashi, Lemay, Truong and, Levy because Troyansky teaches enforcing digital rights of documents, such as HTML by inserting watermarked image files into the document (002-003). Thus, providing the benefit of protecting the obtained HTML document from unauthorized use.

Moreover, the Applicant notes that rendering taught by Levy refers to playback by the server to the client (page 9, parag.3-page10). The Examiner disagrees, because the web page containing the image is displayed by the client after it is served by the server to the client (0093-

0094). The web page is rendered at the client not the server. The server is merely modifying the web page, by adding a link to an image, and then serving the webpage to the requesting client. Rendering, as used by Levy, is the presentation of data, such as video, printing, display of a webpage, etc (0024, 0090).

Claims 17-21, 24 and 32-34 are rejected at least based on the rationale stated above.

By Applicant's own admission the instant invention is destructive(page 12, parag.1) This invention converts textual content into image format and replaces it with a link or inline reference to the text content image format, which is similar to what the current rejection reflect— replacing textual content of an HTML document into an image linked to the document.

### *Conclusion*

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sweet et al. (USPub. # 20020073074), and Feliciano et al (USPat.# 6052730).

I. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cesar B. Paula whose telephone number is (571) 272-4128. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 4:00 p.m. (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong, can be reached on (571) 272-4124. However, in such a case, please allow at least one business day.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, go to <http://portal.uspto.gov/external/portal/pair>. Should you have any questions about access to the Private PAIR system, please contact the Electronic Business Center (EBC) at 866 217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, please call 800-786-9199 or 571 272-1000 (USA or Canada).

Any response to this Action should be mailed to:

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P.O. Box 1450

Alexandria, VA 22313-1450

Or faxed to:

- (571)-273-8300 (for all Formal communications intended for entry)

*Cesar B Paula*  
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3/8/07